

THIE UNITED STATES OF ANTERIOR

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Bioneer Hi-Bred International, Inc.

Wilhereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF ACVENTERN YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT PIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT, HE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS SOF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Lockett 77'

In Lestimony Wheeveot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 29th day of October in the year of our Lord one thousand nine hundred and seventy-six

Commissioner Plant Variety Protection Offico Gain Division Agricultural Marketing Survice

John, A. TSul., Secretary of Agriculture

(DATE)

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

(SIGNATURE OF APPLICANT)

NSTRUCTIONS: See Reverse.	2 KIND NAME			OFFICIAL USE ONLY
- VARIETY NAME OR TEMPORARY DESIGNATION	- KIND NAME	Cotton 4. FAMILY NAME (Botanical)		OFFICIAL USE ONLY
Lockett 77				0084
GENUS AND SPECIES NAME	4. FAMILY NAME (Bo			75 TIME 2 P.M
Gossypium hirsutum L.	Malvaceae		FEE RECEIVE	D BALANCE DUE
. ———————	5. DATE OF DETER	MINATION	<u>ုး သွန္ဝဝ့.</u>	
		September 6, 1974		00 S —
NAME OF APPLICANT(S)	7. ADDRESS (Street a Code)	162	., City, State, and Z	
Lockett Seed Company	Post Offic	ce Box 1579	⊢ ´	817-552-556
PIONEER HI-BRED	Vernon, To			
INTERNATIONAL, INC				
P. IF THE NAMED APPLICANT IS NOT A PER ORGANIZATION: (Corporation, partnership,		10. STATE OF INC	ORPORATION	11. DATE OF INCOR
Corporation	association, erc.)	Texa		<u> </u>
2. Name and mailing address of applica		_ ==-	_	May 31, 194
P. O. Box 1579 /620 Vernon, Texas 76384 3. CHECK BOX BELOW FOR EACH ATTACH	MENT SUBMITTED:		·	
Vernon, Texas 76384	ding History of the ription of the Variet iption of the Variet of Novelty	Variety (See Sect ty y		
Vernon, Texas 76384 3. CHECK BOX BELOW FOR EACH ATTACHI 13A. Exhibit A, Origin and Breed 13B. Exhibit B, Botanical Description 13C. Exhibit C, Objective Description 13D. Exhibit D, Data Indicative 13E. Exhibit E, Statement of the	ding History of the ription of the Variet of Novelty Basis of Applicant seed of this variet	Variety (See Sec y y t's Ownership y be sold by varie	tion 52 of the Pla	a class of certified seed
Vernon, Texas 76384 3. CHECK BOX BELOW FOR EACH ATTACH 13A. Exhibit A, Origin and Bree 13B. Exhibit B, Botanical Descr 13C. Exhibit C, Objective Descr 13D. Exhibit D, Data Indicative 13E. Exhibit E, Statement of the 14A. Does the applicant(s) specify that (See Section 83(a), (If "Yes," ans	ding History of the ription of the Variet iption of the Variet of Novelty Basis of Applicant seed of this variety	Variety (See Sectory y t's Ownership y be sold by varie	tion 52 of the Plants ty name only as	ant Variety Protection Ac a class of certified seed
Vernon, Texas 76384 3. CHECK BOX BELOW FOR EACH ATTACHS 13A. Exhibit A, Origin and Bree 13B. Exhibit B, Botanical Descr 13C. Exhibit C, Objective Descr 13D. Exhibit D, Data Indicative 13E. Exhibit E, Statement of the 14A. Does the applicant(s) specify that (See Section 83(a), (If "Yes," ans	ding History of the ription of the Variet iption of the Variet of Novelty Basis of Applicant seed of this variet swer 14B and 14C b this variety be	Variety (See Sectory y t's Ownership y be sold by varie	ety name only as X YES Co 14B, how many eder seed?	ant Variety Protection Ac a class of certified seed No y generations of production
Vernon, Texas 76384 3. CHECK BOX BELOW FOR EACH ATTACHS 13A. Exhibit A, Origin and Bree 13B. Exhibit B, Botanical Descr 13C. Exhibit C, Objective Descr 13C. Exhibit D, Data Indicative 13E. Exhibit E, Statement of the 14A. Does the applicant(s) specify that (See Section 83(a), (If "Yes," ans 14B. Does the applicant(s) specify that limited as to number of generation The applicant declares that a viable sa	ding History of the ription of the Variet iption of the Variet of Novelty Basis of Applicant seed of this variety war 14B and 14C b this variety be s? XYES NO ample of basic seed	Variety (See Sectory y t's Ownership y be sold by varie elow.) 14C. If "Yes," beyond bree X FOUNDAT	tion 52 of the Plants ty name only as XYES to 14B, how mandeder seed? TION REGIS	ant Variety Protection Ac a class of certified seed No y generations of production STERED X CERTIFIE upon request before issue
Vernon, Texas 76384 3. CHECK BOX BELOW FOR EACH ATTACHS 13A. Exhibit A, Origin and Bree 13B. Exhibit B, Botanical Descr 13C. Exhibit C, Objective Descr 13C. Exhibit D, Data Indicative 13E. Exhibit E, Statement of the 14A. Does the applicant(s) specify that (See Section 83(a), (If "Yes," ans 14B. Does the applicant(s) specify that limited as to number of generation The applicant declares that a viable sa	ding History of the ription of the Variet ription of the Variet of Novelty Basis of Applicant seed of this variety be this variety be s? XYES NO ample of basic seed nished periodically sexually-reproduce	Variety (See Sectory y t's Ownership y be sold by varietelow.) 14c. If "Yes," beyond bree X FOUNDAT	ety name only as XYES [100 14B, how many eder seed? TION X REGIS will be deposited the such regulation into the believes the	ant Variety Protection Ac a class of certified seed NO y generations of production TERED W CERTIFIE upon request before issuences as may be applicable. It the variety is distinct,
Vernon, Texas 76384 3. CHECK BOX BELOW FOR EACH ATTACHS 13A. Exhibit A, Origin and Breed 13B. Exhibit B, Botanical Description 13C. Exhibit C, Objective Description 13C. Exhibit D, Data Indicative 13E. Exhibit E, Statement of the 14A. Does the applicant(s) specify that (See Section 83(a), (If "Yes," and limited as to number of generation 14B. Does the applicant(s) specify that limited as to number of generation 16he applicant declares that a viable stance of a certificate and will be repleted the undersigned applicant(s) of this uniform, and stable as required in See	ding History of the ription of the Variet iption of the Variet of Novelty Basis of Applicant seed of this variety be this variety be s? KYES NO ample of basic seed nished periodically sexually-reproduce ection 41 and is entited.	Yariety (See Section) y t's Ownership y be sold by varietle elow.) 14C. If "Yes," beyond bree X FOUNDAT of this variety we in accordance with	ety name only as \times Y \times S \times Y \times S \tim	a class of certified seed No y generations of production stered X Certified upon request before issuents as may be applicable. It the variety is distinct, sions of Section 42 of the
Vernon, Texas 76384 3. CHECK BOX BELOW FOR EACH ATTACHS 13A. Exhibit A, Origin and Breed 13B. Exhibit B, Botanical Description 13C. Exhibit C, Objective Description 13C. Exhibit D, Data Indicative 13E. Exhibit E, Statement of the 14A. Does the applicant(s) specify that (See Section 83(a), (If "Yes," and 14B. Does the applicant(s) specify that limited as to number of generation The applicant declares that a viable sa ance of a certificate and will be repleted and the second state of the sec	ding History of the ription of the Variet iption of the Variet of Novelty Basis of Applicant seed of this variety be this variety be s? KYES NO ample of basic seed nished periodically sexually-reproduce ection 41 and is entited.	Variety (See Sectory y y t's Ownership y be sold by varie elow.) 14C. If "Yes," beyond bree X FOUNDAT of this variety w in accordance wi d novel plant var itled to protection an jeopardize prof	ety name only as \times Y \times S \times Y \times S \tim	a class of certified seed No y generations of production stered X certified upon request before issuents as may be applicable. It the variety is distinct, issions of Section 42 of the lt in penalties.

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.
- 13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
- 13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- 13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.
- 13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.



EXHIBIT A

"Origin and Breeding History of the Variety"

I. The parents used in originating and developing "Lockett 77" were "Lockett 4789-A," "SP 12-67," and "CA 563."

"Lockett 4789-A" is a commercial cotton variety developed and maintained by Lockett Seed Company. The breeding line "SP 12-67" was developed and made available by Dr. Luther S. Bird, Professor, Department of Plant Sciences, Texas A&M University, College Station, Texas. The "CA 563" breeding line was developed and made available by Dr. Levon L. Ray, Professor, Texas A&M University Agricultural Research and Extension Center at Lubbock, Texas.

The cross was made to combine the features of Lockett "4789-A;" earliness, storm proof boll, compact fruiting, and good fiber quality; bacterial blight and fusarium wilt-nematode resistance from "SP 12-67;" tolerance to verticillium wilt and high fiber quality from "CA 563." "SP 12-67" carry the gene combination $B_2B_3B_7$ for bacterial blight resistance.

The breeding method used in developing "Lockett 77" was the Pedigree Method.

II. "Lockett 77" originated in 1968 from a hand pollinated cross between the two Lockett strains (Lockett 4789-A x SP 12-67) and (Lockett 4789-A x CA 563) in our breeding nursery at Lockett, Texas. The F_1 's were sent to Iguala, Mexico, in the

EXHIBIT A (Continued)

Fall of 1968. Individual plants were selected from the ${\rm F}_2$ generation in 1969, in the field.

Laboratory-greenhouse procedures for simultaneously screening and selecting for multiple disease resistance were applied. Seed from the F_2 individual plant selections were tested in the Fall of 1969, and selection was for cold tolerance - germination at 55° F, resistance to seed deterioration, bacterial blight, verticillium wilt, and fusarium wilt.

Selected plants from the greenhouse were grown in the field in 1970 and individual plant selections were made.

From 1970 to 1973 progeny row selections were made based on yield, earliness, multiple disease resistance, agronomic performance, and fiber quality.

Duplicate plantings of the material were made each year at our breeding nurseries at Lockett and Ropesville, Texas. The Lockett nursery is naturally infested with the fungus causing fusarium wilt (Fusarium oxysporum f. vasinfectum (Atk.) Snyder and Hansen) and the root-knot nematode (Meloidogyne incognita Chitwood). The Ropesville nursery is naturally infested with Verticillium albo-atrum Reinke and Berth. Artificial inoculations with a mixture of races 1, 2, 7 and 10 of Xanthomonas malvacearum (E. F. Sm.) Dowson, the bacterial blight pathogen were made each year.

EXHIBIT A (Continued)

Yield tests were conducted over a wide area of Texas and Oklahoma at 30 locations for four years, 1971 - 1974. These tests were conducted by our company and experiment stations, under irrigation and dryland conditions (Data attached). The variety was tested under the strain number "Lockett 77-4." "Lockett 77" is a uniform, a stable, and a homogenous variety.

Breeder seed of the "Lockett 77" variety was grown on the Lockett Seed Company Farms in 1974 and Foundation Seed will be increased in 1975, as shown in the diagram.

Our new cotton variety "Lockett 77" was approved for certification on May 28, 1974 by the Texas State Seed and Plant Board.

- III. No variants are associated with "Lockett 77".
 - IV. No seed of Lockett 77 was seld or made available to the public to date (April 15, 1975).

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EXHIBIT A (Continued)

Pedigree of "Lockett 77"

1968 (Lockett 4789-AxSP 12-67) X (Lockett 4789-AxCA 563) Lockett, Texas

•

1968-69 Iguala, Mexico

1969

Lockett, Texas

Individual Plant Selection.

1969-70 Greenhouse Lockett, Texas

Multiple Disease Resistance Screening. Individual Plant Selection.

1970

Lockett &

Ropesville, Texas

Individual Plant and Progeny row selection.

1971

Lockett &

Ropesville, Texas

Progeny rows-testing, evaluation & selection. Variety tests.

1972

Lockett &

Ropesville, Texas

Progeny & increase rowsevaluation & selection. Variety tests.

1973

Lockett &

Ropesville, Texas

Increase rows - evaluation & selection. Variety tests.

1974

Lockett, Texas

Increase block-15 acres-Breeder Seed.

Variety tests.

1975

Lockett, Texas

Increase block-450 acres-Foundation Seed.

Lockett 77 approved for certification on May 28, 1974 by the Texas State Seed & Plant Board.

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F 3

 $\mathbf{F_4}$

"EXHIBIT B"

"Botanical Description of the Variety"

"Lockett 77" is an American Upland cotton variety

(Gossypium hirsutum L.). The unique characteristic of

"Lockett 77" is its multiple disease resistance; exhibits

resistance to bacterial blight and the fusarium wilt
nematode complex, and tolerance to verticillium wilt. The

variety has also shown seedling disease escape and cold

tolerance. "Lockett 4789-A" is susceptible to all these

diseases.

"Lockett 77" is similar in plant characteristics to "Lockett 4789-A" but is nine cm. shorter in height, has a smaller leaf size, fewer leaves, and has yellow and cream pollen in a 2:1 ratio, as compared to the cream pollen color of "Lockett 4789-A."

"Lockett 77" is a uniform and stable glanded variety with an erect, short to intermediate main stem; sparse foliage; normal, medium size, light green leaf; light pubescence on the leaves and stem; short fruiting branches; determinate to moderate determinate growth habit; early fruiting and maturing; the bolls have 4-5 locules, finely pitted, storm proof to storm resistant, broader at middle, 40 mm. in diameter, 36 seeds per boll, 6.75 grams of

EXHIBIT B (Continued)

cottonseed per boll; a lint percentage of 37.5%; seed index is 11.4; bracteoles are longer than wider, with fine 8-10 teeth.

Average fiber properties of "Lockett 77" are:

Length - Staple	e - inches	33
50% Sp	oan Length	0.52
2.5% 8	Span Length	1.06
Unifor	rmity Index	46
Strength - 1,00	00 P.S.I.	90
Stelon	meter T ₁	22.3
Elonga	ation E ₁	6.8
Yarn Strength ((22s or 27 tx)	114
Fineness - Mici	A Company of the Comp	4.35

"Lockett 77" was tested over a wide range of environments in Texas, Oklahoma, and Eastern New Mexico during the last four years and showed adaptability to growing conditions in these states, high yielding ability, good fiber quality, and stability to adversities in production and environmental flucutations.

Table 1, a summary table, shows yield, lint percentage, and fiber properties of "Lockett 77" as compared to commercial cotton varieties grown in Texas and Oklahoma in twenty variety tests over a three year period, 1971 - 1973.

Table 2 shows average lint yield of "Lockett 77" in comparison with seven leading commercial cotton varieties.

FORM GR-470-8 (10-2-72)

INSTRUCTIONS: See Reverse.

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

(Cotton)

OBJECTIVE DESCRIPTION OF VARIETY COTTON (GOSSYPIUM SPP.)

Lockett Seed Company	FOR OFFICIAL USE ONLY
	PVPO NUMBER
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	7500084
P. O. Box 1579	VARIETY NAME OR TEMPORARY DESIGNATION
Vernon, Texas 76384	LOCKETT 77
	L
Place the appropriate number that describes the varietal character of this variety in the	boxes below.
Place a zero in first box (e.g. 0 8 9 or 0 9) when number is either 99 or less or 1. SPECIES:	9 or less.
i. SPECIES:	
1 = GOSSYPIUM HIRSUTUM 2 = GOSSYPIUM BARBADENSE	
2, AREA(S) OF ADAPTION (0 = Not Tested, 1 = Not Adapted, 2 = Adapted):	-
0 EASTERN 2 DELTA 2 CENTRAL 2 HIG	H PLAINS 2 EL PASO AREA
	HER (Specify)
3. MATURITY (50% Open Boll):	
0 9 NO. OF DAYS EARLIER THAN 7	DELTAPINE 16 3 = STONEVILLE 213
4 = PAYMASTER 111	5 = ACALA 1517-70 6 = ACALA SJ-1
	OTHER (Specify)
4. PLANT HABIT:	
3 1 - specables	= FOLIAGE SPARSE 2 = DENSE = OTHER (Specify)
5. PLANT HEIGHT:	
[1 2] ***********************************	DELTAPINE 16 3 = STONEVILLE 213
0 9 CM. TALLER THAN 7 = LANKART 57 8 = 0	5 = ACALA 1517-70 6 = ACALA SJ-1 OTHER (Specify)
6. MAIN STEM:	
3 1 = LAX 2 = ASCENDING 3 = ERECT 9 FRUITING BRANCH 05	NO. OF NODES TO FIRST FRUITING BRANC (from cotyledonary node)
	US (HAIRS AS SPARSE AS D ₂ SMOOTH)
2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF) 4 = HEAVY PUBESCENCE (H ₁ OR H ₂) 5 = OTHER (3 = PUBESCENT (STONEVILLE 213)
9. LEAF COLOR:	
1 = VIRESCENT YELLOW 2 = LIGHT GREEN 3 = DARK GREEN (Acala-442) 4 = RED
S = OTHER (Specify)	
10. LEAF TYPE:	
1 = NORMAL 2 = OKRA 3 = SUPER OKRA 4 = OTHER (Specify)	
11. FLOWER: Lilar water	<u> </u>
* Pollen color in the ratio	is yellow and cream of 2:1.
Petals: 1 = CREAM 2 = YELLOW * Pollen: 1 = CREAM 2 = YEL	LOW
12. FRUITING BRANCH TYPE:	
2 1 = CLUSTER 2 = SHORT 3 = NORMAL 1 1 = DETERMINATE 2 = INDE	TERMINATE
13. GOSSYPOL CONDITION:	
	= NORMAL BUD GOSSYPEL 8
14. SEEDS:	Table 1
SEED INDEX 1 = SPARSE (GREGO	35) 2 = MODERATE (DPL-16) SJ-1) 4 = OTHER (Specify)
	· =

EXHIBIT D

"Data Indicative of Novelty"

Novelty is based on the unique combination of the following characters:

"Lockett 77" is similar to "Lockett 4789-A," Letter 5/27/76
except it is resistant to bacterial blight and the
fusarium wilt-nematode complex, and tolerant to
verticillium wilt.

EXHIBIT E

"Statement of the Basis of Applicant's Ownership"

The applicant, Lockett Seed Company, is the only originator, actual breeder and developer of the "Lockett 77" variety of cotton, for which it solicits a certificate of plant variety protection. Lockett Lock Company 15 The owner, 5/27/75 letter fifth

FORM GR-470-8 (REVERSE)	/	3000 84	10	eketi i,
15. BOLLS:		- ,		·
1 = 3-4	D. SEEDS PER BOLL	3 7 5 LIN	NT PERCENT	4 0 MM. DIAMETER
1 = NONE 2 = FINELY 3 = COURSELY	GRAMS SEED CO'	TTON 2 Bre	eadth: 1 = BROAD 2 = BROAD	ER AT BASE Er at middle
Type: 1 = STORMPROOF (WESTBURN 70) 2 = STORM RESISTANT (LANKART 3 = OPEN (DELTAPINE 16)		1 = LENGTH < W 2 = LENGTH = W 3 = LENGTH > W	пртн	
16. BRACTEOLES:				
Breadth: 1 = LENGTH < WIDTH 2 = LENG			2 2 2	
Teeth: 1 = FINE 2 = COURSE	3 Te	eth: 1 = 3.4 2 = 5.7 4 = OTHER (Specify)		
17. YIELD: Compared to-			 _	
PERCENT LESS THAN	···]	1 = COKER 310 2 = 4 = PAYMASTER 111	DELTAPINE 16 5 = ACALA 1	3 = STONEVILLE 213
3 4 4 PERCENT MORE THAN		6 = ACALA SJ-1	7 = LANKAR	
18. FIBER LENGTH (Complete one or more of the fa	llowing and give the	means):		
0 5 2 SPAN LENGTH 50%	1 0 6 SP	AN LENGTH 2.5%		U.H.M. LENGTH
MEAN LENGTH	3 3 st	APLE LENGTH 32nd INCH	1ES	
UNIFORMITY RATIO (MEAN/U.H.M.)	4 6 UN	IIFORMITY INDEX (50% SP	PAN/2.5% SPAN)	
19. FIBER STRENGTH AND ELONGATION:				· · · · · · · · · · · · · · · · · · ·
0 9 0 1,000 P.S.I.		ONGATION E		STILOMETER T
443 5 MICRONAIRE READING	1 1 4 2:	RN STRENGTH (Give test 21 s or 27 tx	method)	2 3 STILOMETER T.
20. DISEASE: (0 = Not Tested, 1 = Susceptible, 2	= Resistant)			
* VERTICILLIUM WILT * Tolerant 2 FUSAR	RIUM WILT	2 ROOT KNOT	2	BACTERIAL BLIGHT (<i>Race 1</i>)
BACTERIAL BLIGHT (Race 2) ASCOC		PHYMATOTRICHUM	M 0	RHIZOCTONIA LETTER 5/27/758
O ANTHRACNOSE O RUST		OTHER (Specify)	BACTERIA	Leller S/2/15 L L BLIght Roces !
21. INSECT: (0 = Not Tested, 1 = Susceptible, 2 =	: Resistant)	<u></u>		<u> </u>
BOLL WEEVIL 1 APHIC	· !	1 FLEAHOPPER	o	LEAFWORM
FALL ARMYWORM O GRASS	SHOPPER	O LYGUS	1	BINK BOLFADEM = D
O STINKBUG 1 THRIF	•	O CUTWORM		SPIAPRM21 1975
OTHER (Specify)			<u> </u>	10:11/14/1
REFERENCES: The following publication	s may be used as	a reference aid for th	ne standardizar	15 OF
procedures for completing this form:	,			8/2/11/2
(1) Brown, Harry B., and J. O. Ware,	1958, Cotton, Mc	Graw-Hill Book Comp	any, Inc., New	tork /6'\5
(2) Lewis, C. F., and H. H. Ramey, Department of Agriculture.	Jr., 1971, <u>1970 R</u>	egional Cotton Variety	y Tests, ARS 3	4130 United Stapes
				_

COLORS: Nickerson's or any recognized color fan may be used to determine flower color of the described variety.

ASSIGN.4ENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, The undersigned Lockett Seed Company, a corporation organized under the laws of the State of Texas, is the breeder and owner of a variety of cotton planting seed known as LOCKETT 77, and

WHEREAS, the undersigned has applied to the United States

Department of Agriculture for a Certificate of Plant Variety

Protection said application being assigned number 7500084,

NOW, THEREFORE, for good and valuable consideration the receipt whereof is hereby acknowledged, the undersigned does hereby assign, set over, transfer and grant to PIONEER HI-BRED INTERNATIONAL, INC., a corporation organized and existing under the laws of the State of Iowa, having its principal office at 1206 Mulberry Street, Des Moines, Iowa 50308, all of the right, title and interest of the undersigned in and to the said Lockett 77 variety of cotton planting seed, and the application for a Certificate of Plant Variety Protection of said variety, granting to said assignee the full right and authority to do any and all acts necessary to obtain in the name of assignee a Certificate of Plant Variety Protection pursuant to such application number 7500084.

DATED this 24th day of May, 1976.

LOCKETT SEED COMPANY

Bu.

Aubrey L. Lockett, President

ATTEST .

Secretary

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